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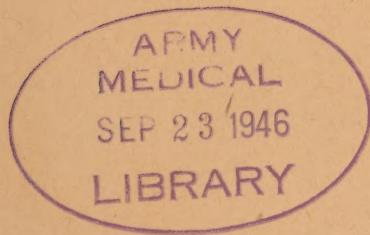
JAPANESE MEDICAL MATERIAL

TANVONIN

(Alkaloidal extract of *Phellodendron amurense*)

290366

Medical No. 228



22 May 1946

MEDICAL ANALYSIS SECTION  
5250th Technical Intelligence Company  
APO 500

22 May 1946

TANVONIN

(Alkaloidal extract of *Phellodendron amurense*)

SOURCE: Tokyo, Japan

IMPORTANCE: Not previously reported. A sweet tasting, intestinal, non-toxic bactericide without odor or secondary reactions. No identical product is listed in standard American references.

DESCRIPTION: A cardboard box contains an amber bottle of ten grams of brilliant yellow powder.

SUMMARY OF GENERAL INFORMATION: Tanvonin is a powder made from *Phellodendron amurense*, family Rutaceae, and contains 20% of alkaloidal salts combined with a vegetable acid.

It is available as a 20% powder and as a tablet. The size of the tablet is not given.

The powder is only soluble in alkaline media and when administered orally, it passes through the stomach into the intestine, where it dissolves and exerts its bactericidal action. There are no secondary effects and its activity is claimed to be greater than that of derivatives of phenol and naphthol.

A translation of the literature enclosed with this product is part of this report and includes its composition, action, indications, direction, packaging and cost, the manufacturer and the sales agencies.

From the book, "Facts on Present Pharmeceuticals"  
by Chuzo Hata, Mamoru Zugawa and Hiroo Tokuse the following is extracted:

"Tanvonin - Cortex Phellodendri - Phelldendron Amurense Ruprecht - contains Berberine and Palmatine. Checks fermentation in the intestines and is widely used in Pediatrics. As a herb it is used in stomach ache and in dyspepsia with gentian. Also applied in Ophthalmology.

Directions:

0.3 - 0.5 gm 3 times per day (5 - 8 tablets)  
5 - 10 gm in decoction once a day  
(Decrease for children).

PHOTOGRAPHS:

Figure 1 - Package and container of Tanvonin.

Figure 2 - Tanvonin Literature.

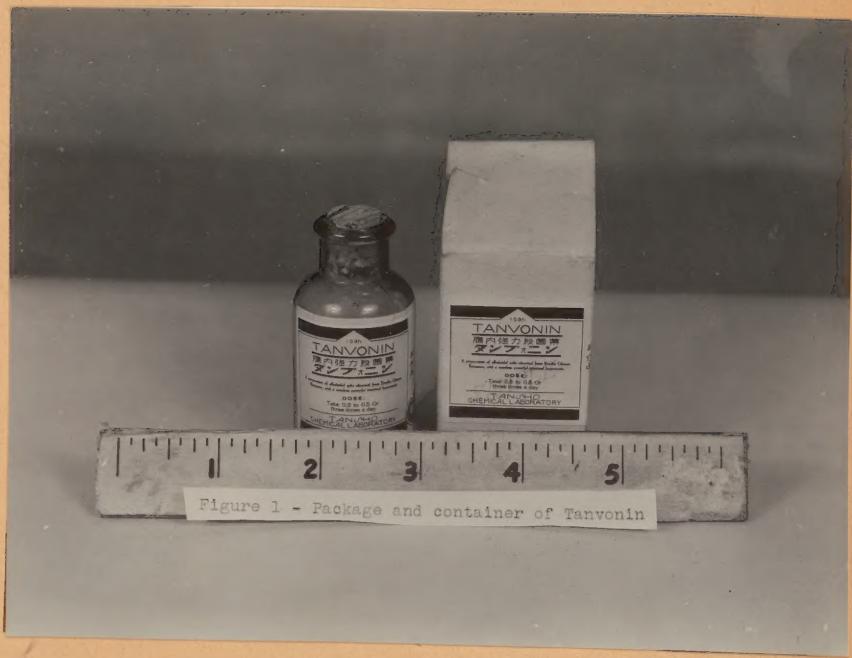


Figure 1 - Package and container of Tanvonin

# 腸内強力殺菌新薬

## タンブオニン TANVONIN

【性状】タンブオニンは Rutaceae 属植物 *Pheilodendron amurense* より特殊の方法を以て抽出せる總アルカロイドに植物性酸基を結合せる鹽の二十%を含有する黃色無臭微甘味の粉末にして鹹鹽は水、酒精、エーテル、クロ、ホルムに溶解せず、アルカリに可溶性なり。

【作用】タンブオニンを経口的に用ふれば腸管内に到りアルカリと接觸し且つ腸内溫度に依り徐々に分解せられ腸管壁の全長に對して強力なる殺菌力を逞す此作用は他の同目的に用ひらるゝ薬物、例之フェノール、ナフトール等の誘導體に比して遙かに強力にして、而も無毒性なり、故に腐敗酸酵制止作用顯著なる優秀新薬なり。又タンブオニンは無臭微甘味の粉末にして服用容易且つ何等副作用なし。故に小兒薬として亦理想的なり。

### 【適應症】

腐敗酸酵性下痢、急性及慢性腸カタル、疫痢、赤痢、腸チフス、パラチフス、腸結核、其他細菌性下痢。

### 【用法】

粉末 大人 一回〇・二一〇・五瓦宛、一日三回内服。

錠剤 大人 一回五十八錠宛、一日三回内服。

症狀に應じ一日五十六回以上服用せしむ(小兒は年齢に従ひ減量す)

### 【包装・價額】

粉末	三五瓦	二〇	一〇瓦	四〇	三五瓦	九〇	五〇瓦	一六〇
錠剤	三五錠	六〇	一〇錠	一〇				

製造元 岐阜市外高富丹生化學研究所

東京日本橋區本町二丁目

發賣元 会社 いこしや 松本薬品部

電話日本橋三三三三 振替口座東京三五〇〇

大阪市東區道修町二丁目

特約店 株式 武田長兵衛商店

電話本局五〇二四番一八番 振替口座穴坂二六二番

▼文獻は御申越次第發賣元より送呈▲

## Translation of the Accompanying Literature

### New Powerful Intestinal Bactericide

#### TANVONIN

##### COMPOSITION:

Tanvonin is the alkaloids extracted by a special process from *Phellodendron Amurense*, family Rutaceae and contains of alkaloidal salts combined with a vegetable acid radical. It is a yellowish, odorless and sweet powder, insoluble in water, alcohol, ether and chloroform, but soluble in alkali.

##### ACTION:

Tanvonin, if taken orally, comes in contact with the alkali in the intestines where it slowly decomposes at intestinal temperature and exerts a powerful bactericidal action on the entire intestinal walls. This action is far more powerful than other drugs used for the same purpose, such as derivatives of phenol, naphthol, etc. Moreover, it is the newest non-toxic preparation having a marked action in preventing sepsis and fermentation. It is odorless, sweet tasting, easily administered and has no secondary reaction, which makes it an ideal medication for children.

##### INDICATIONS:

- Septic and fermentative diarrhea
- Acute and chronic intestinal catarrh
- Children's dysentery
- Dysentery
- Typhoid
- Paratyphoid
- Tuberculosis of the intestines
- Other diarrhea caused by bacteria

##### DIRECTIONS:

(Adults)  
Powder - 0.3 - 0.5 gm three times daily  
Tablets - 5 - 8 tablets three times daily

The above dosages may be administered 5 to 6 times daily depending on the seriousness of the case. (For children, vary according to age).

PACKAGE AND PRICE:

Powder - 25 Gm.	¥01.10
100 Gm.	04.00
250 Gm.	09.00
500 Gm.	16.00
Tablets - 50 Tabs.	¥00.60
100 Tabs.	01.00

MANUFACTURER:

Tansho Chemical Laboratory  
Takatomi - Suburb of Gifu City

SELLER:

The Iwashiya Matsumoto Drug Co, Partnership  
2 Chome Honcho, Nihonbashi-Ku, Tokyo  
Telephone - Nihonbashi 2492, 2493  
" - Long distance - Nihonbashi 2494  
Postal Transfer Account - Tokyo No. 340

SALE AGENT:

Takeda Chobei Co. Ltd  
2 Chome - Doshi-Machi, Higashi-Ku, Osaka  
Telephone - Honkyoku 5024, 18  
Postal Transfer Account - Osaka No. 262

Literature will be sent free upon request from the Iwashiya Matsumoto Drug Co.